

*C1
Conclude*

osteochondral graft having applied thereto an amount of at least one purified bone morphogenetic protein (BMP) effective for the regeneration of said articular cartilage.

*C2
Claim*

6. (Amended) The method of claim 1 further comprising a protein which induces the formation of tendon or ligament tissue.

*C2
Claim*

7. (Amended) The method of claim 6 wherein said protein, which induces the formation of tendon or ligament tissue, is selected from the group consisting of BMP-12, BMP-13, members of the BMP-12 subfamily, and MP52.

C3

8. (Amended) A composition for regeneration of articular cartilage comprising an osteochondral graft having applied thereto an amount of at least one purified bone morphogenetic protein (BMP) effective for the regeneration of said articular cartilage.

C4

10. (Amended) The composition of claim 8 wherein said BMP is BMP-2.

C5

13. (Amended) The composition of claim 8 further comprising a protein which induces the formation of tendon or ligament tissue.

C5

14. (Amended) The composition of claim 8 wherein said protein which induces the formation of tendon or ligament tissue is selected from the group consisting of BMP-12, BMP-13, members of the BMP-12 subfamily, and MP52.

C6

16. (Amended) The method of claim 1 wherein said osteochondral graft is osteochondral allograft.

C6

17. (Amended) The method of claim 1 wherein said osteochondral graft is osteochondral autograft.

C7

19. (Amended) The composition of claim 8 wherein said osteochondral graft is osteochondral allograft.